



PTO/SB/51 (10-05)  
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# **REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)

3058.1000-024

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 5,982,764 granted November 9, 1999 and for which a reissue patent is sought on the invention entitled TIME-MULTIPLEXED SHORT-RANGE MAGNETIC COMMUNICATIONS

the specification of which

☐ is attached hereto.

☒ was filed on November 6, 2001 as reissue application number 09/993,328

and was amended on 11/6/01, 7/21/03, 5/28/04  
(If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

☐ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 355(b) Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

See attached Exhibit

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This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Docket Number (Optional)

3058.1000-024

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

Note. To appoint a power of attorney, use form PTO/SB/81.

Correspondence Address: Direct all communications about the application to:



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**WARNING:**

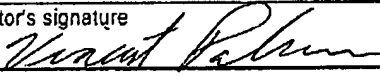
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Vincent Palermo

Inventor's signature



Date

10/17/06

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Full name of second joint inventor (given name, family name)

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Date

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Mailing Address

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☒ Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto

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REISSUE APPLICATION DECLARATION BY THE INVENTOR

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Neal R. Butler  
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USA

Neal R Butler  
Inventor's Signature

10/17/2006  
Date



### Exhibit

The present reissue application, U.S. Application No. 09/993,328, is a broadening reissue application of previously issued U.S. Patent No. 5,982,764 (Application No. 08/841,502) ("issued patent") granted November 9, 1999, entitled "Time-Multiplexed Short-Range Magnetic Communications." In the present reissue application, Claims 5-106 were added by preliminary amendment filed with the application on November 6, 2001. Claims 107-158 were added by amendment filed on July 21, 2003.

An error occurred in the issued patent of not prosecuting method claims. Method claims, Claims 5-56, 63, and 88, were added by way of the aforementioned preliminary amendment, and method claims, Claims 107-125, were added by amendment filed July 21, 2003.

Additionally, an error occurred in the issued patent in which the Applicants claimed less than they had the right to claim. In view of this error, system claims, Claims 57-62, 64-87, 89-106, and 126-158, which are broader than claims 1-4 of the issued patent, were added in the broadening reissue application by way of the aforementioned preliminary amendment and the amendment filed on July 21, 2003. Note that Claims 6-7, 13, 31, 33-34, 41, 47, 52, 54, 56-58, 64, 66-69, 72, 75, 77-79, 81-83, 89, 92-94, 97, 100, 102-104, and 106 were later canceled by amendment file on May 28, 2004.

In particular, with respect to Applicants' claiming less than they had the right to claim in the issued patent, independent claim 1 of the issued patent included a second unit comprising at least three transducers wherein each of the at least three transducers is arranged orthogonally with respect to the other transducers. Independent claim 60 of the reissue application, for example, includes a second unit corresponding to the second unit of claim 1 of the issued patent, but includes at least one transducer unit and does not include the limitation of at least three transducers wherein each of the at least three transducers is arranged orthogonally with respect to the other transducers.

In accordance with the foregoing, Applicants believe that claims 1 and 4 of the issued patent included unnecessary limitations.